

NPIC/R-5060/64

November 1964

PHOTOGRAPHIC INTERPRETATION REPORT

Copy 167

52 Pages

OAK
MISSION 1014-1
18-23 NOVEMBER 1964

Declass Review by NIMA/DOD

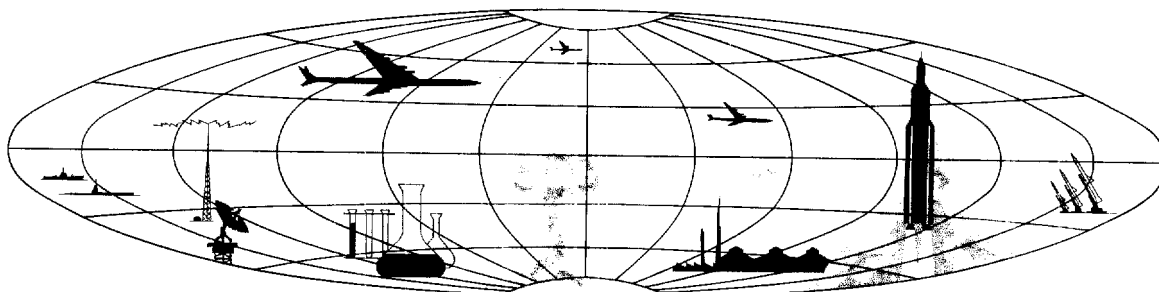


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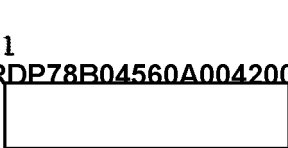
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OAK

MISSION 1014-1

PREFACE

THIS IS THE FIRST AND ONLY OAK REPORT ON MISSION 1014-1 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1014-1 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERAL DATA, CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

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Highlights

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HIGHLIGHTS

25X1A

1. YURYA ICBM COMPLEX

LAUNCH AREA K, A TYPE IIIA SITE, IS NOW COMPLETE.

2. TYURATAM MISSILE TEST CENTER

25X1A

AT LAUNCH COMPLEX E A NEW RAIL SPUR IS OBSERVED TERMINATING NEAR THE ENTRANCE TO THE SECURED AREA. LAUNCH AREAS G3-G4 AND G5-G6 ARE NOW COMPLETE.

3. SVOBODNYI ICBM COMPLEX

25X1A

LAUNCH AREA G, A TYPE IIIA SITE, IS NOW COMPLETE.

4. SARY-SHAGAN ANTIMISSILE TEST CENTER

25X1A

AT SITE 13, CONSTRUCTION OF A FOURTH DUAL HEN HOUSE-TYPE STRUCTURE IS OBSERVED JUST NNW OF AREA C. A NEW LINEAR SCAR IS NOTED WNW OF AREA C. IN AREA A, BOTH ANTENNA FACES ARE BLACK BUT THE ROOF PITCH OF THE TWO STRUCTURES DIFFERS.

5. BOLSHAYA KAMENKA IRBM LAUNCH SITE

25X1A

THE LAUNCH AREA APPEARS TO HAVE BEEN ABANDONED.

6. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER

25X1A

AN EXERCISE IS UNDERWAY AT LAUNCH AREA 1C ON THE NORTHWESTERNMOST OF THE TWO RECENTLY-ADDED RAIL-SERVED PADS.

7. SHUANG-CHENG-TZU MISSILE TEST CENTER

25X1A

THE CENTER IS COVERED BY CLEAR PHOTOGRAPHY EXCEPT FOR THE AIRFIELD, THE L INSTRUMENTATION PATTERN AND THE TERMINUS OF THE RAIL LINE INTO THE DESERT WHICH ARE CLOUD COVERED. THE ONLY ACTIVITY OBSERVED IS AT SAM LAUNCH SITE A WHERE AN UNDETERMINED NUMBER OF VEHICLES/EQUIPMENT ARE IN THE CENTRAL GUIDANCE AREA AND IN THE HOLD REVETMENT.

8. TALLINN AMM/SAM LAUNCH COMPLEX

25X1A

THE COMPLEX IS OBSCURED BY SCATTERED TO HEAVY CLOUDS, HAZE AND SEMI-DARKNESS.

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25X1

25X2

10. TASHKENT AIRCRAFT ASSEMBLY PLANT CHKALOV 84B (AIRCRAFT BONUS)

25X1D

THREE NEW BUILDINGS, ONE A 500-X 400-FOOT ASSEMBLY BUILDING AND BUILT SINCE [REDACTED], ARE BEING CONSTRUCTED OVER THE JUNCTION OF THE OLD RUNWAY AND TAXIWAY AT THE SW END OF TASHKENT AIRFIELD.

STATUS OF COMOR TARGET READOUT

EIGHTY TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE LISTED IN THE INDEX AT THE CONCLUSION OF THIS REPORT.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 3 -- SAM AND AMM DEPLOYMENT
TABLE 4 -- NUCLEAR ENERGY ACTIVITY
TABLE 5 -- AIRCRAFT ACTIVITY
TABLE 6 -- SUBMARINE ACTIVITY
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 1. Soviet ICBM Deployment

25X1D

Complex	Launch Area														Total Soft Sites	Total Hard Sites	Total Launch Positions
	A	B	C	D	E	F	G	H	I	J	K	L	M	N			
Aleysk	(M)	(M)	(M)	(M)	(M)	(M)										6	6
Dombrovskiy	M	M	M	M	E											5	5
Drovyannaya	C	C	C	C	C	C									3	3	15
Gladkaya	C	C		M	E										2	2	10
Imeni Gasterlo	(M)	(M)	(M)	(M)	(M)											5	5
Itatka	C	C	C												3		6
Kartaly	E	M	E													3 (1†)	3 (1†)
Kostroma	C	C	C	C	C	C	C	M							6	2	18
Kozelsk	C	C		C	C	C									3	2	12
Novosibirsk	C	C	L	C	C										3	2	12
Olovyannaya	C	L	L	M**												9	15
Omsk	C															1	3
Perm	C	C	C	C	C	L									5	1	13
Plesetsk*	(C)	(C)	(C)	(C)	(C)	(C)	(E)	(E)							*10***	1	19
Shadrinsk	C	C	L													3	9
Svobodnyy	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)							7	1	17
Teykovo	C	C	C	C	C	C									6		12
Tyumen	C		C												2		4
Uzhur	M	M	M	M	M	M										6	6
Verkhnyaya Salda	C	C	C	C	C	C	C	C	C						7	2	20
Yedrovo	C	C	C	C	C	C	C								6	2	18
Yoshkar-Ola	C	C	C	C	C	C									6		12
Yurya	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)				8	3	25
Zhangiz Tobe	M	M	M	M	M											5	5
Construction Status (C-complete, L-Late, M-mid, E-early)															Deployment Total		
															77	64 (1†)	270 (1†)
															10	9	35
Grand Total															87	+73 (1†)	305 (1†)

*Includes Launch Points I-IV, complete **Carried as Launch Group ***Total does not include two SSM pads at Launch Area F
†Includes 44 single silos (6-Aleysk, 5-Dombrovskiy, 5-Imeni Gasterlo, 3-Kartaly, 6-Olovyannaya, 8-Tyuratam MTC, 6-Uzhur, 5-Zhangiz-Tobe)
† Possible

☐ Newly identified
☒ Covered by current mission

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	18	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	4	1	4	11	40
Far Eastern	11	1		2	14	54
Totals	137	16	21	20	194	756

Totals do not include 69 fixed field-type sites with total of 251 clearings and one launch facility at Sovetskaya Gavan.

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25X6

Table 3. SAM and AMM Deployment

		Country															Totals
		USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India		
SA-0	SAM sites	13															13
SA-1		56															56
SA-2		971*	1	19	22	47	16	30	18	3	12	2	4	13*	24**	1	1183
SA-3		106						1									107
SAM support facilities		189	1	4	5	3	3	6	2	1		1		3	6		224
Probable AMM complexes		3															3
AMM/SAM complexes		2***															2

*Does not include 8 alternate sites. (4 in USSR; 4 in Egypt)

***Includes 1 suspect complex.

**Does not include 22 abandoned sites.

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Table 5. AIRCRAFT ACTIVITY

Airfield	Last Effective Coverage	Previous Significant Aircraft Count												Observed this Mission													
		BISON	BEAR	BADGER	BLINDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISBED	FISHPOT	FIREBAR BROWER	TOTALS	BISON	BEAR	BADGER	BLINDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISBED	FISHPOT	FIREBAR BROWER	TOTALS
Akhtubinsk/Vladimirovka		1B/B	32	5									32														
Alekseyevka		2	17	14										51		48†	1†										44
Anisovo Gorodishche			51											38													
Arkhangolsk/Kholm*			38											0													
Artem North				18										46		30											30
Baranovich*				24	5†									20													
Belaya				57										57													
Belaya Tserkov			0	63										60													
Bobruysk*				28										28													
Berzha NW				5										5													
Bykhov*				56										58		37†											37
Chopolevka*			30											30													
Chernovo-Glinskoye				10										10													
Doion*			2† B/B											38													
Engels*			30†											34	35	1†											36
Gomol Pribytki				2										45													
Kalinin*				9	36									52													
Kaliningrad/Proveron				52										47													
Korankul				10	37									27													
Korankul				27†										27													
Kazan A/C Pit 22				7	28	27								32													
Khorol East				7†										7													
Mel Yavr				6†										9													
Molotopol				3†										2	10												
Molotopol				8										0													
Minsk/Machulishche*														0													
Mirgorod				34										34													
Moscow/Ramenskoye			6	3 B/C	18**	5	1			3†				36													
Mozdok*														0													
Nezhin				23										23													
Nikolayev/Kulbakino				51										51													
Oktyabrskoye														0													
Olonogorsk			10										10														
Orsha Southwest*			35										35														
Ostrov Gorokhovka			30										20														
Potopavlovsk/Yelizovo													0														
Poltava*			54										54		61											61	
Priluki*			27										27														
Romanovka West			20							4			24														
Ryazan/Dyagilovo		5†	17										22														
Saki		B/B	22	5									27														
Sarabuz			18										18														
Soveromorsk			2										2														
Siaulini*		22† B/D											22														
Soltay*			27										27														
Spasak Dalniy East			23										23		21	21†										24	
Stryy*			30										30														
Tartu			28†										28														
Ukraina*		36 B/B	34										39	42 B/B												42	
Ussuriysk Vozdvizhenka*			56										56														
Zhitomir/Skhorokhi*			9										9														
TOTALS			38	86	1050	130	1		3	4		2	1380	85	42	197										274	
			66 B/B																								

† POSSIBLE ‡ PROBABLE **BADGER/CAMEL ***PLUS † BADGER/CAMEL/COOKPOT B/C BEAR/CLEAT

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Table 6. Submarine Activity.

25X1D		Previous Submarine Count														Observed this Mission														
Base	Last Effective Coverage	SSBN, H-class	SSGN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSG, W-Longfin	SSY, H-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, Q-class	SS, Unidentified (SSGN, SSY, SS, etc.)	TOTALS	SSBN, H-class	SSGN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSG, W-Longfin	SSY, H-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, Q-class	SS, Unidentified (SSGN, SSY, SS, etc.)	TOTALS	
Balaklava										5† W/R					5															
Dunay													1		1												1		1	
Gorkiy														2		2														
Kronshtadt														9		9														
Komsomolsk		1†												1†		2														
Leningrad														5†		5														
Liepaya											12 W/R			4†		16														
Litsa Bay														4		4														
Magadan																3														
Olenya Guba														3		3														
Pechenga											2 W/R			1		7														
Petropavlovsk/ Kamchatskiy			2†				1†	5† F/Z		3 W/R				4†		17											3		14	
Petrovka			3†								3† W/R					6														
Polyarnyy														10		10														
Riga											1† W/R					1														
Rosta			5†					3†, 1† F/Z			4†			6		20														
Sayda Guba														6		6														
Sevastopol						1								9		10														
Severodvinsk														3†		3														
Severomorsk																1														
Sovetskaya Gavan										3 W/R			4†		7												1		2	
Strelok Strait		2†											1	1†	4											3†	1†		4	
Tallinn															0															
Ura Guba										5† W/R			6†		15															
Vladimir													3†		3														5	
Vladivostok															0															
Yokanga													4†		4															
TOTALS		6	8		1		1	9 F/Z		12		88	1	164											4		20	1	26	
		38 W/R															1† F/Z													
*E-1 Class † POSSIBLE ‡ PROBABLE																														

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Missiles

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25X1A

MISSILES

PLESETSK ICBM COMPLEX UR 6256N 04039E

IDENTIFICATION ONLY.

SEMI-DARKNESS PRECLUDES INTERPRETATION.

25X1D

YURYA ICBM COMPLEX UR 5903N 04919E

THE ENTIRE COMPLEX IS COVERED BY GOOD QUALITY
STEREO PHOTOGRAPHY.

25X1D

NO SIGNIFICANT CHANGES OBSERVED SINCE [REDACTED]
[REDACTED] AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD
TRANSFER POINT, [REDACTED] OR
LAUNCH AREAS A (SITE 2), B (SITE 1), C (SITE 3),
D (SITE 4), E (SITE 5), F (SITE 7), G (SITE 6),
H (SITE 8), I (SITE 11) AND J (SITE 9).

25X1D

25X1

LAUNCH AREA K (SITE 10), A TYPE IIIA SITE, IS
NOW COMPLETE. THERE ARE 2 MISSILE-READY BUILDINGS
AT ONE END OF THE LOOP ROAD [REDACTED]

25X1

25X1

NO ABM ACTIVITY OBSERVED WITHIN THE 50-NM RADIUS
SEARCH AREA.

25X1D

TYURATAM MISSILE TEST CENTER UR 4550N 06318E

THE CENTER IS COVERED BY FAIR QUALITY, SMALL-SCALE,
OBLIQUE PHOTOGRAPHY. ALL ELEMENTS OF THE RANGEHEAD
EAST OF COMPLEX J ARE CLOUD COVERED. COMPLEXES A
(SITES 1 AND 15), B (SITES 2, 16, AND 17), C
(SITE 3), D (SITES 4 AND 9), H (SITE 8), AND THE
[REDACTED] ARE CLOUD COVERED.

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NO MISSILE OPERATIONS IDENTIFIED AT ANY LAUNCH COMPLEX.

25X1D

LAUNCH COMPLEX E (SITE 6) -- NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] A NEW DEAD-END RAIL SPUR HAS BEEN CONSTRUCTED FROM THE RAIL LINE WEST OF THE COMPLEX TO A POINT SOUTH OF THE SECURED AREA NEAR THE ACCESS ROAD.

25X1D

LAUNCH COMPLEX F (SITE 5) -- THE RAMP-LIKE EXCAVATION REPORTED IN [REDACTED] HAS BEEN BACKFILLED. NO OTHER APPARENT CHANGE SINCE THAT TIME.

25X1D

LAUNCH COMPLEX G -- LAUNCH AREA G1-G2 (SITE 7) -- NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

LAUNCH AREA G3-G4 (SITE 11) -- BOTH SIDES OF THE LAUNCH AREA AND THE ASSOCIATED ELECTRONIC FACILITY APPEAR TO BE COMPLETE.

LAUNCH AREA G5-G6 (SITE 12) -- THE LAUNCH AREA APPEARS TO BE COMPLETE.

LAUNCH AREA G7 (SITE 18) -- THE SQUARE SILO STRUCTURE HAS BEEN BROUGHT UP FROM THE BOTTOM OF THE EXCAVATION, BUT IT IS NOT YET UP TO GROUND LEVEL. CONSTRUCTION CONTINUES ON THE L-SHAPED ELECTRONIC FACILITY, BUT IT HAS NOT YET BEEN BACKFILLED.

LAUNCH AREA G8-G9 (SITE 19) -- AT EACH SILO A HARDSTAND HAS BEEN CONSTRUCTED CONTIGUOUS TO THE LOOP ROAD AND ON THE SOUTH SIDE OF THE SILOS.

25X1D

COMPLEX SUPPORT FACILITY -- NO APPARENT CHANGE SINCE [REDACTED]

25X1

[REDACTED]

25X1D

REVETTED STORAGE AREA -- NO SIGNIFICANT CHANGE SINCE [REDACTED]

LAUNCH COMPLEX I (SITE 14) -- THE COMPLEX IS COVERED

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BY NON-STEREO PHOTOGRAPHY AND IS IDENTIFICATION
ONLY DUE TO CLOUDS.

25X1D

COMPLEX J -- CONSTRUCTION CONTINUES ON THE MASSIVE
BUILDING. APPROXIMATELY ONE-THIRD OF THE ROOF
HAS BEEN INSTALLED. THE LARGE EXCAVATION IS CLOUD
COVERED. NO SIGNIFICANT CHANGE IN THE SUPPORT
FACILITIES SINCE [REDACTED]

LAUNCH COMPLEX K (SITE 13) -- A RECTANGULAR
HARDSTAND/SERVICE APRON HAS BEEN CONSTRUCTED ON
THE NORTH SIDE OF K1. A SIMILAR CONSTRUCTION
APPEARS TO BE IN PROGRESS AT K2. FOUR UNIDENTIFIED
OBJECTS ARE LOCATED ADJACENT TO THE 150-BY 50-FT
BUILDING. DITCHING CONNECTS THIS BUILDING AND THE
2 SILOS. THE SILOS APPEAR TO BE NEARLY AT GROUND
LEVEL AND BACKFILLING MAY HAVE STARTED.

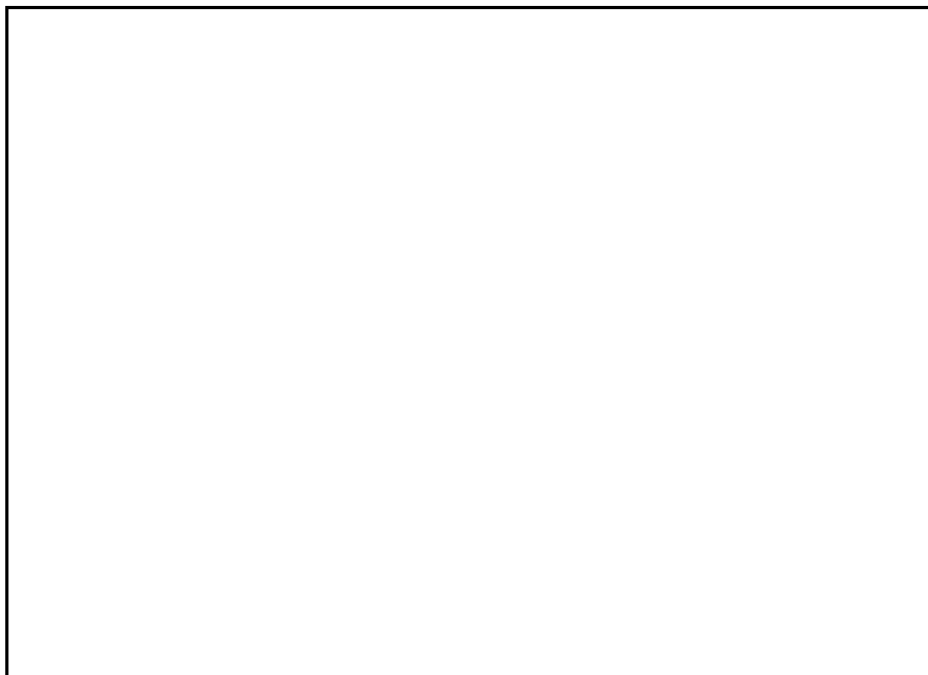
PROPELLANT PRODUCTION PLANT -- IDENTIFICATION ONLY
DUE TO HEAVY HAZE.

25X1D

MAIN SUPPORT BASE -- NO SIGNIFICANT CHANGE SINCE
[REDACTED]

(ATTACHMENT 1)

25X1D



25X1

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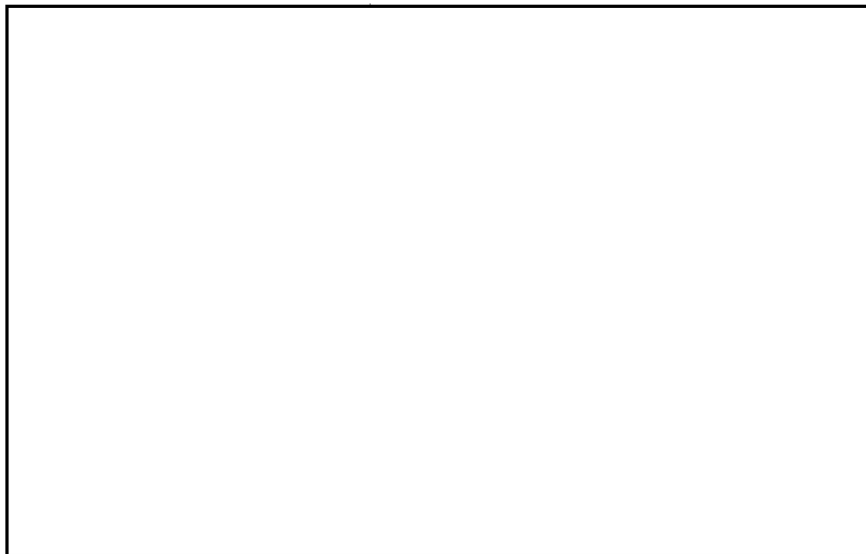
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25X1A

SVOBODNY ICBM COMPLEX UR 5146N 12807E

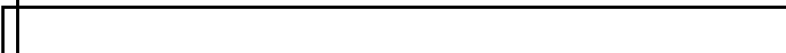
COMPLEX IS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY.

NO SIGNIFICANT CHANGES AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, [REDACTED]

[REDACTED], COMMUNICATION SITE OR LAUNCH AREAS A (SITE 3), B (SITE 1), C (SITE 2), D (SITE 4), E (SITE 6), F (SITE 5), H (SITE 8), OR THE UNIDENTIFIED AREA BETWEEN LAUNCH AREAS E AND G. LAUNCH AREA G (SITE 7), A TYPE IIIA SITE, IS NOW COMPLETE. [REDACTED]

[REDACTED] 2 EARTH-MOUNDED READY BUILDINGS ARE ADJACENT TO THE SITE.

NO ABM ACTIVITY NOTED WITHIN A 50-NM RADIUS OF THE COMPLEX.



25X1D

DROVYANAYA ICBM COMPLEX UR 5132N 11301E

COMPLEX IS CLOUD COVERED.

SEARCH OF CLOUD-FREE PORTIONS IN 50-NM RADIUS WEST

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TOP SECRET

25X1

25X1

25X1

TOP SECRET

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25X1

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OF COMPLEX REVEALED NO ABM ACTIVITY.

25X1D

25X1A

VOZZHAYEVKA SUSPECT SSM AREA UR 5044N 12842E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF
VOZZHAYEVKA.

25X1D

PIBANSHUR SUSPECT SSM AREA UR 5752N 05319E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF
PIBANSHUR.

25X1D

SARANSK SUSPECT SSM AREA UR 5411N 04511E

NO SSM ACTIVITY VISIBLE IN WESTERN TWO-THIRDS OF
50-NM RADIUS SEARCH AREA. EASTERN ONE-THIRD
NOT COVERED.

25X1D

25X1A

KOVYLKIND SUSPECT SSM AREA UR 5402N 04356E

NO SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS
SEARCH AREA.

25X1D

ALEYSK ICBM COMPLEX UR 5229N 08243E

THE COMPLEX SUPPORT FACILITY APPEARS RELATIVELY
UNCHANGED SINCE THE
RAIL SPUR SERVING THE PROBABLE RAIL-TO-ROAD
TRANSFER POINT APPEARS COMPLETE.

25X1D

THE LOW SUN ANGLE PREVENTS AN ANALYSIS OF LAUNCH

25X1

TOP SECRET

25X1

25X1

25X1

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TOP SECRET

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SITES A (SITE 1), B (SITE 2), C (SITE 3), D (SITE 4), E (SITE 5), AND F (SITE 6), HOWEVER, CONSIDERABLE TRACK ACTIVITY WITHIN ALL 6 LAUNCH SITES INDICATES CONSTRUCTION CONTINUES.

NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF THE COMPLEX. ONE-HALF OF THE WESTERN PART OF THE SEARCH AREA WAS NOT COVERED BY PHOTOGRAPHY.

25X1D

25X1A

IMENI GASTELLO ICBM COMPLEX UR 5107N 06619E

ENTIRE COMPLEX IS COVERED BY POOR QUALITY STEREO PHOTOGRAPHY.

ALTHOUGH ALL SITES ARE IN A MID STAGE OF CONSTRUCTION, DETAILS CANNOT BE DISCERNED BECAUSE OF POOR IMAGE QUALITY. A SITE SUPPORT FACILITY CONSISTING OF 7 MEDIUM-SIZE BARRACKS-TYPE BUILDINGS AND ONE T-SHAPED BUILDING HAS BEEN ADDED SEVERAL HUNDRED FEET NE OF LAUNCH SITE C (SITE 3). THREE MEDIUM-SIZE BARRACKS-TYPE BUILDINGS HAVE BEEN ADDED TO THE SITE SUPPORT FACILITY AT LAUNCH AREA A (SITE 1). SITE SUPPORT FACILITY AT LAUNCH AREA B (SITE 2) NOW CONSISTS OF 6 COMPLETED MEDIUM-SIZE BARRACKS-TYPE BUILDINGS AND ONE T-SHAPED BUILDING. TWO MEDIUM-SIZE BARRACKS-TYPE BUILDINGS HAVE BEEN ADDED TO THE SITE SUPPORT FACILITY AT LAUNCH AREA E (SITE 5). COMPLEX SUPPORT FACILITY NOW APPEARS TO CONTAIN ONE VERY LONG STORAGE-TYPE BUILDING, ONE LARGE E-SHAPED BUILDING, 2 MEDIUM-SIZE BUILDINGS, AND APPROXIMATELY 5 VERY SMALL STRUCTURES.

NO APPARENT CHANGE IN THE POSSIBLE RAIL-TO-ROAD TRANSFER POINT.

NO ABM ACTIVITY OBSERVED WITHIN 50-NM RADIUS OF COMPLEX.

25X1D

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TOP SECRET

25X1

25X1

25X1
25X1

25X1

TOP SECRET

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25X1A

AKHTYRKA MRBM LAUNCH SITE 1 UR 5015N 03450E
NO HARDENED SSM ACTIVITY OF ANY KNOWN CONFIGURATION
OBSERVED IN THE 25-NM RADIUS SEARCH AREA.
SCATTERED CLOUDS PRECLUDE NEGATION OF SEARCH AREA.

25X1D

ROZHDESTVENKA MRBM LAUNCH SITE UR 4547N 13343E
IDENTIFICATION ONLY.

25X1D

NOVOSYSOYEVKA IRBM LAUNCH SITE 2 UR 4407N 13327E
NO APPARENT CHANGE SINCE
NO EVIDENCE OF A COMMUNICATIONS OR ELECTRONIC
FACILITY OBSERVED NEAR SITE.

25X1D

25X1D

NOVOSYSOYEVKA IRBM LAUNCH SITE 3 UR 4407N 13325E
NO APPARENT CHANGE SINCE
LAUNCH AREA REMAINS IN AN EARLY STAGE OF
CONSTRUCTION WITH NO CONSTRUCTION ACTIVITY
OBSERVED.

25X1D

25X1D

SOVETSKAYA GAVAN MRBM LAUNCH FACILITY UR 4904N 14007E

NO APPARENT CHANGE SINCE
ERECTORS ON THE PADS, OR TRACKAGE IN THE SNOW
DISCERNIBLE.

25X1D

25X1D

25X1

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TOP SECRET

25X1

TOP SECRET

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25X1

25X1

25X1A

BOLSHAYA KAMENKA IRBM LAUNCH SITE UR 5145N 04541E

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

25X1D AT LAUNCH AREA.

THE LAUNCH AREA APPEARS TO BE ABANDONED. A RAIL LINE BRANCHING NORTH FROM THE MAIN RYAZANO-URALSKAYA RAILROAD AT TATISHCHEVO HAS BEEN EXTENDED AND TERMINATES IN A WOODED AREA. TWO SMALL RAIL SPURS AND 2 UNIDENTIFIED STRUCTURES ARE ALSO NEWLY-IDENTIFIED SINCE MISSION

25X1D

AT THE RAIL LINE TERMINUS WHICH IS LOCATED APPROXIMATELY 5.5 NM SW OF THE ABANDONED MRBM LAUNCH SITE.

25X1D

25X1A

TRAKTOVYY IRBM LAUNCH SITE UR 5325N 06223E

NO APPARENT CHANGE SINCE
NO ACTIVITY DISCERNIBLE.

25X1D

A DOUBLE FENCE SURROUNDS THE LAUNCH AREA.

25X1D

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

SEVERAL AREAS OF THE TEST CENTER ARE VISIBLE ON SMALL-SCALE OBLIQUE PHOTOGRAPHY.

AN EXERCISE IS UNDERWAY AT LAUNCH AREA 1C (SITE 7) ON THE NORTHWESTERNMOST OF THE TWO RECENTLY-ADDED RAIL-SERVED PADS. A POSSIBLE MISSILE IS ERECTED IN THE CENTER OF THE PAD AND AT LEAST 6 VEHICLES/PIECES OF EQUIPMENT ARE POSITIONED ON THE PAD.

LAUNCH COMPLEX E (SITE 3) AND THE UNIDENTIFIED AREA NNE OF E ARE VISIBLE, BUT SCALE AND OBLIQUITY PRECLUDE FURTHER READOUT.

THE L-SHAPED INSTRUMENTATION PATTERN ENE OF VLADIMIROVKA AIRFIELD AND THE VERKHNIY BASKUNCHAK

25X1

TOP SECRET

25X1

25X1

TOP SECRET

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25X1

25X1D

INTERFEROMETER SITE SHOW NO APPARENT CHANGE
SINCE MISSION [REDACTED] THE ELTON
INTERFEROMETER SITE SHOWS NO APPARENT CHANGE SINCE
MISSION [REDACTED]

25X1D

LAUNCH COMPLEXES A AND B, THE TROOP TRAINING AREA,
AND LAUNCH AREAS 2C (SITE 6), 3C (SITE 5), AND
4C (SITE 4) -- IDENTIFICATION ONLY.

25X1D

25X1A

[REDACTED] SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

THE TEST CENTER IS COVERED BY THREE PASSES OF
FROM FAIR TO VERY GOOD PHOTOGRAPHY WITH
INTERPRETATION LIMITED IN THE EASTERN SECTOR BY
CLOUDS, HAZE, AND LIGHT SNOW. ALL FACILITIES
ARE COVERED EXCEPT FOR LAUNCH COMPLEX B, THE HEN
HOUSE AND HEN ROOST ANTENNAS, THE MAIN HOUSING
COMPLEX, THE AIRFIELD AND LONG DIRT STRIP, AND
INSTRUMENTATION SITES 1 AND 2.

25X1D

THE ONLY COMPONENTS VISIBLE AT LAUNCH COMPLEX A (SITE
2B30) ARE SAM SITE C35-2 AND A SMALL SEGMENT OF THE
SUPPORT AREA. CONSTRUCTION OF A FOURTH DUAL HEN
HOUSE-TYPE STRUCTURE (AREA D) IS OBSERVED AT SITE 13
SINCE MISSION [REDACTED] JUST NNW OF AND PARALLEL
TO THE THIRD DUAL HEN HOUSE-TYPE STRUCTURE (AREA C).
THERE IS EVIDENCE OF INITIAL EXCAVATION FOR THE
SOUTHERN LINEAR STRUCTURE.

25X1D

25X1D

THERE IS NO APPARENT CHANGE IN THE PROBABLE POWER
SUBSTATION UNDER CONSTRUCTION WNW OF AREA D. A NEW
LINEAR SCAR WHICH WAS NOT PRESENT ON [REDACTED]
[REDACTED] IS OBSERVED TO THE WSW OF AREA D AND IS CONNECTED
BY A GROUND SCAR TO THE PROBABLE POWER SUBSTATION.

25X1D

BOTH ANTENNA STRUCTURES AND THE PROBABLE CENTRAL
CONTROL BUILDING AT AREA A APPEAR COMPLETE EXTERNALLY.
BOTH ANTENNA FACES ARE BLACK BUT THE ROOF PITCH
OF THE TWO STRUCTURES DIFFERS. AT AREAS B AND C,
CONSTRUCTION HAS PROGRESSED SINCE [REDACTED]
[REDACTED] ROOFING REMAINS TO BE ACCOMPLISHED ON THE
PROBABLE CENTRAL CONTROL BUILDING AT AREA B.

25X1D

25X1

25X1

25X1

TOP SECRET

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25X1D

25X1D

ADDITIONAL FOOTINGS ARE NOTED AT THE NORTHERNMOST OF THE TWO LINEAR EXCAVATIONS AT AREA B AND THE SOUTHERN EXCAVATION HAS BEEN BACKFILLED. AT AREA C, CONSIDERABLE PROGRESS IS NOTED ON THE PROBABLE CENTRAL CONTROL BUILDING AND THE TWO TERMINAL BUILDINGS. FOOTINGS ARE OBSERVED IN BOTH EXCAVATIONS. STORAGE JUST WEST OF AREA A HAS INCREASED SINCE [REDACTED] THERE IS NO SIGNIFICANT CHANGE APPARENT AT THE BUILDING TRIAD. MANY OF THE GROUND SCARS AND TRENCHES OBSERVED AT THE SITE IN [REDACTED] HAVE BEEN COVERED.

25X1D

THE 110-FOOT DOMES AT INSTRUMENTATION SITES 3 AND 10 REMAIN DOWN. THE RINGLIKE STRUCTURE AND EQUIPMENT ARE STILL PRESENT. AT SITE 10, THE ROOF OF THE LARGE TRIAD BUILDING HAS BECOME ENTIRELY DARK SINCE LAST GOOD COVERAGE OF [REDACTED] WHEN IT WAS HALF LIGHT, HALF GRAY. BOTH SMALL BUILDINGS REMAIN DARK. ROOF OBJECTS ARE DISCERNIBLE ON THE THREE BUILDINGS. THE 110-FOOT DOME HAS NOT BEEN REMOVED AT SITE 6. THREE AIRCRAFT ARE NOTED AT THE SITE AIRSTRIP.

25X1D

EXTENSION OF THE INTERFEROMETER CROSSARMS AT INSTRUMENTATION SITE 12 APPEARS ALMOST COMPLETE. AT POSSIBLE INSTRUMENTATION SITE 15, THE UNUSUAL BUILDING REPORTED ON MISSION [REDACTED] AS PARALLEL TO AN EXISTING UNUSUAL APPROXIMATELY 230-BY-100-FOOT BUILDING APPEARS TO BE OF SIMILAR SIZE AND CONFIGURATION EXCEPT THAT THE THREE RAISED SECTIONS OR EXTENSIONS HAVE NOT BEEN CONSTRUCTED AT THE NEW BUILDING.

AT BOTH THE POSSIBLE FIELD LAUNCH POINT AT 46-59-30N 070-10-00E AND AN UNIDENTIFIED FACILITY AT 47-12-40N 068-22-40E, FOUR SMALL CIRCULAR EXCAVATIONS IN A SQUARE PATTERN WITH A SMALL LOW STRUCTURE OR EXCAVATION IN THE CENTER, AND POSITIONED AROUND THE LARGE UNUSUAL BUILDING ARE NOW DISCERNIBLE.

LAUNCH SITES AT THE SAM TRAINING CENTER ARE UNOCCUPIED. NO CHANGE IS OBSERVED IN FACILITIES AT THE CENTER SINCE MISSION [REDACTED] THE NEW AIRSTRIP 20 NM SSW OF THE LONG DIRT STRIP IS IDENTIFICATION ONLY.

25X1D

NO CHANGE IS APPARENT AT INSTRUMENTATION SITES 4, 5,

25X1

25X1

25X1

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25X1

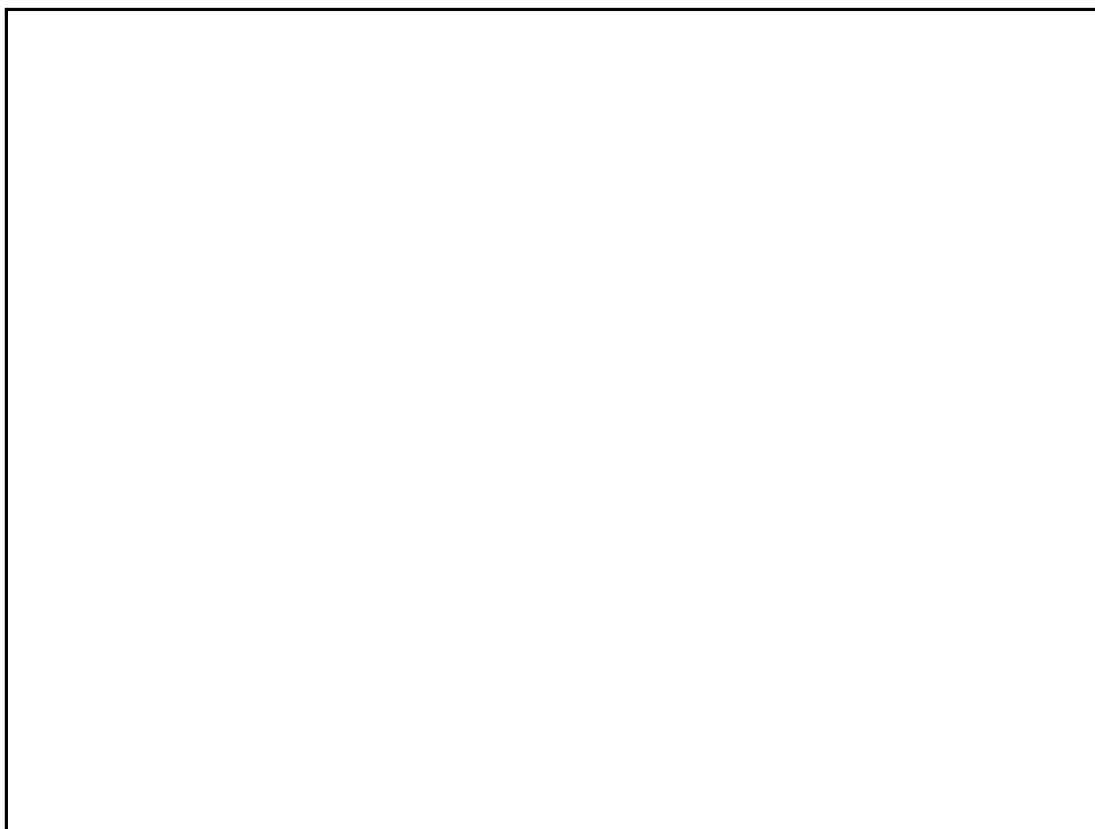
25X1

25X1D 25X1D

25X1D AND 9 SINCE [REDACTED] AT INSTRUMENTATION
SITES 7 AND 8 SINCE [REDACTED] OR AT
POSSIBLE INSTRUMENTATION SITE 14 SINCE [REDACTED] 25X1D
[REDACTED] INSTRUMENTATION SITE 11 IS IDENTIFICATION
ONLY.

(ATTACHMENT 2)

25X1D



25X1A

[REDACTED] SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

THE SHUANG-CHENG-TZU MISSILE TEST CENTER IS COVERED
BY CLEAR PHOTOGRAPHY EXCEPT FOR SHUANG-CHENG-TZU
AIRFIELD, THE L INSTRUMENTATION PATTERN, AND THE
TERMINUS OF THE RAIL LINE INTO THE DESERT WHICH ARE
CLOUD-COVERED.

25X1D NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] 25X1D
[REDACTED]

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TOP SECRET

25X1

25X1

25X1

25X1

TOP SECRET

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THE ONLY ACTIVITY OBSERVED IS AT SAM LAUNCH SITE A WHERE AN UNDETERMINED NUMBER OF VEHICLES/PIECES OF EQUIPMENT ARE IN THE CENTRAL GUIDANCE AREA AND THE HOLD REVETMENT.

COAL PILES ARE IN EVIDENCE AT THE THERMAL ELECTRIC POWER PLANT AND ADJACENT TO THE HEAT PLANTS IN THE MAIN SUPPORT BASE.

25X1D

25X1A

PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN CH 3950N 11608E

NO SIGNIFICANT CHANGE SINCE [REDACTED] THE CONSTRUCTION ACTIVITY AT THE NORTH END OF THE TEST AREA CONTINUES BUT THE FUNCTION OF THE NEW STRUCTURES CANNOT BE DETERMINED. NO EVIDENCE OF OPERATIONAL ACTIVITY OBSERVED. THE FUNCTION OF THE FACILITIES IN THE SECURED AREA 2 NM SSE CANNOT BE DETERMINED.

25X1D

25X1D

SARATOV AIRFRAME PLANT 292 UR 5130N 04557E

NO APPARENT CHANGE SINCE [REDACTED]

25X1D

NO NEW CONSTRUCTION ACTIVITY NOTED.

SARATOV SOUTH AIRFIELD -- IDENTIFICATION ONLY.

AIRCRAFT -- NONE OBSERVED.

25X1D

BIYSK, STATIC TEST FACILITY UR 5229N 08507E

NO CONSTRUCTION ACTIVITY NOTED SINCE [REDACTED]

25X1D

25X1D

25

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TOP SECRET

25X1

25X1

25X1

TOP SECRET

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25X1

25X1

25X1A

ISFARA SUSPECT SOLID PROPELLANT FACILITY UR 4007N 07034E
NO APPARENT CHANGE SINCE [REDACTED] 25X1D
EXCEPT FOR THE CONSTRUCTION OF WASTE DISPOSAL PANS
ON THE EAST SIDE OF THE PRODUCTION AREA AND POSSIBLE
PIPELINE SCARS ON THE WEST SIDE.

25X1D

CAP ROSA, SUSPECT SSM SEARCH AG 3657N 00814E

NO SSM/SAM ACTIVITY OF ANY KNOWN CONFIGURATION
OBSERVED. SCATTERED CLOUDS PRECLUDE A NEGATION OF
SEARCH AREA.

25X1D

25X1A

KRASNAYA GORBATKA SUSPECT SSM AREA UR 5553N 04146E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF
50-NM RADIUS SEARCH AREA.

25X1D

SEARCH AREA APPROXIMATELY 95 PERCENT CLOUD COVERED.

25X1A

CHEBARKUL SUSPECT SSM AREA UR 5458N 06025E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
OF 50-NM RADIUS SEARCH AREA.
THE NE HALF OF SEARCH AREA IS CLOUD COVERED.

25X1D

KUZNETSK SUSPECT SSM AREA UR 5307N 04636E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
WITHIN WESTERN 50 PERCENT OF 50-NM RADIUS SEARCH
AREA. EASTERN 50 PERCENT NOT COVERED.

25X1

25X1

25X1

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25X1

25X1D

25X1A

RUBTSOVSK SUSPECT SSM AREA UR 5130N 08115E

NO SSM-RELATED ACTIVITY OBSERVED WITHIN 50-NM RADIUS OF THE RUBTSOVSK SUSPECT SSM AREA. ONLY THE EASTERN HALF OF THE AREA WAS COVERED BY PHOTOGRAPHY AND IT WAS 75 PERCENT CLOUD COVERED.

25X1D

25X1A

SEVERODVINSK NAVAL BASE AND SHIPYARD 402 UR 6434N 03949E
IDENTIFICATION ONLY.

25X1D

KOMSOMOLSK SHIPYARD AMUR 199 UR 5033N 13702E

NO SUBMARINES OR TRANSPORTER DOCKS VISIBLE IN CLOUD-FREE PORTIONS OF SHIPYARD OR FITTING OUT AREAS.

AMUR RIVER IS COVERED BY ICE WITH NUMEROUS STRAIN CRACKS VISIBLE IN MID-CHANNEL.

25X1D

25X1A

PETROPAVLOVSK-KAMCHATSKIY NV B TARYA BAY UR 5255N 15830E

PETROPAVLOVSK NAVAL BASES AT TARYA BAY AND SELDEVAYA BAY ARE COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY, HOWEVER, LOW SUN ANGLE LIMITS INTERPRETATION OF VESSELS.

VESSELS AT PETROPAVLOVSK NAVAL BASE -- 3 UNIDENTIFIED SS, 11 POSSIBLE SS, ONE POSSIBLE DON-CLASS ASL, ONE BOLVA-CLASS APL, ONE UNIDENTIFIED AUXILIARY, ONE POSSIBLE NEVA-CLASS AS, ONE OCCUPIED TRANSPORTER DOCK, AND 2 UNIDENTIFIED VESSELS.

VESSELS AT SELDEVAYA BAY -- ONE OCCUPIED TRANSPORTER

25X1

TOP SECRET

25X1

25X1

25X1

TOP SECRET
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DOCK, ONE FLOATING DRYDOCK, 2 UNIDENTIFIED
VESSELS. CONSTRUCTION CONTINUES ON FACILITIES.

25X1D NO SUBMARINES OBSERVED AT SHIPYARD 412.

25X1A

PETROPAVLOVSK-KAMCHATSKIY NAVAL MSL STOR UR 5256N 15823E

VESSELS -- 4 SIBIR-CLASS AGM OBSERVED AT NAVAL
MISSILE SUPPORT FACILITY. CHANGES OBSERVED AT
NAVAL MISSILE STORAGE OR SUPPORT FACILITY INCLUDE
2 NEW SMALL EARTH-COVERED STRUCTURES OFF THE ROAD
BYPASSING STORAGE AND CHECKOUT AREA.

25X1D NO APPARENT CHANGE IN REMAINING FACILITIES SINCE

25X1A

VLADIMIR SUBMARINE BASE UR 4355N 13528E

VESSELS -- ONE PROBABLE F/Z-CLASS SS AND 4 PROBABLE
W-CLASS SS.

NO NEW CONSTRUCTION OBSERVED.

25X1D NO NEW SUBMARINE BASES OBSERVED WITHIN LIMITS
OF COVERAGE.

25X1A

VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 UR 4306N 13156E

HEAVY CLOUDS, HAZE AND DARKNESS LIMIT INTERPRETATION.

VESSELS -- ONE CL, 7 DD, ONE DE IN NOVIK BAY,
3 POSSIBLE DE IN BUKHTA PARIS, AT LEAST 10 MERCHANT
VESSELS AT ENTRANCE TO GOLDEN HORN BAY.

NO CONSTRUCTION CONVERSION OR FITTING OUT OF GUIDED
MISSILE VESSELS OBSERVED.

25X1

28
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TOP SECRET

25X1

TOP SECRET

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NO NEW NAVAL GUIDED-MISSILE STORAGE, SUBMARINE BASES,
OR NUCLEAR WEAPONS OBSERVED IN VISIBLE AREAS WITHIN
50-NM RADIUS.

25X1D

25X1A

PETROVKA SHIPYARD UR 4307N 13220E

VESSELS -- 4 UNIDENTIFIED VESSELS AND 2 FLOATING
DRYDOCKS VISIBLE THROUGH SCATTERED CLOUDS.

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]
[REDACTED] IN VISIBLE AREAS.

25X1D

NO NEW SUBMARINE BASES OBSERVED IN CLEAR PORTIONS
WITHIN 50-NM RADIUS SEARCH AREA.

25X1D

STRELOK STRAIT NAVAL BASE PAVLOVSKOGO UR 4252N 13232E

VESSELS -- ONE UNIDENTIFIED SS (MOORED WHERE L-CLASS
SS WAS [REDACTED]) 3 UNIDENTIFIED POSSIBLE SS AND
2 AUXILIARY.

25X1D

NO APPARENT CHANGE AT NAVAL MISSILE STORAGE
FACILITY SINCE [REDACTED]

25X1D

25X1D

BUKHTA ABREK NAVAL MISSILE SUPPORT FAC UR 4255N 13225E

NAVAL VESSELS -- ONE CL, 2 DDG, 2 DD AND 4 DE.

THREE SMALL BUILDINGS HAVE BEEN COMPLETED SINCE

25X1D

CONSTRUCTION ACTIVITY EVIDENT AT BASE OF CLIFF.

25X1D

25X1

TOP SECRET

25X1

TOP SECRET

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25X1

25X1

25X1A

DUNAY PROBABLE NAVAL MISSILE STORAGE UR 4256N 13220E

VESSELS IN BUKHTA RAZBOYNIK -- ONE UNIDENTIFIED SUBMARINE, ONE AUXILIARY, AND 3 UNIDENTIFIED SURFACE VESSELS.

25X1D NO APPARENT CHANGE IN THE POSSIBLE WARHEAD STORAGE AREA SINCE

NO NEW NUCLEAR STORAGE AREAS OBSERVED WITHIN 25-NM RADIUS SEARCH AREA AND NO NEW SUBMARINE BASES OBSERVED IN CLEAR AREAS WITHIN 50-NM RADIUS SEARCH AREA.

25X1D

25X1A

SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263 UR 4858N 14017E

VESSELS -- ONE CL, 6 DD, 4 DE AND SEVERAL SMALLER CRAFT IN VICINITY OF TORPEDO DEPOT. SHIPYARD NOT COVERED.

25X1D

SOVETSKAYA GAVAN SUBMARINE BASE UR 4902N 14016E

NO APPARENT CHANGE IN FACILITIES SINCE 25X1D

25X1D

VESSELS -- ONE SUBMARINE AND ONE POSSIBLE SUBMARINE.

25X1D

25X1A

MOSCOW SUSPECT ABM AREA UR 5545N 03737E

ONLY EASTERN QUARTER OF SEARCH AREA COVERED BY PHOTOGRAPHY.

NO NEW SARY-SHAGAN OR LENINGRAD-TYPE ELECTRONIC FACILITIES OR NUCLEAR WEAPONS STORAGE FACILITIES OBSERVED IN CLOUD-FREE AREAS.

25X1D

NO APPARENT CHANGE SINCE IN SAM SITES E10-1 OR E12-1 (THE ONLY SITES OBSERVED

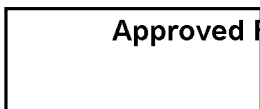
25X1

TOP SECRET

25X1

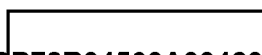
25X1

25X1
25X1

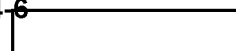


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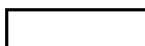
NPIC/R-5060/64

25X1D

ON THIS COVERAGE).



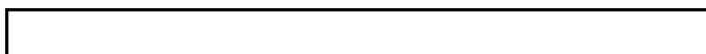
25X1A



ANGARSK AREA, SUSPECT AMM ACTIVITY UR 5253N 10315E

IDENTIFICATION ONLY.

25X1D

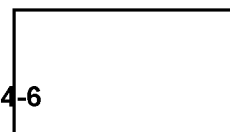
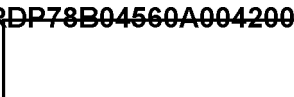


25X1

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25X1

Air Facilities

25X1

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25X1

AIR FACILITIES

25X1A

[] ENGELS AIRFIELD UR 5129N 04611E

NO APPARENT CHANGE SINCE []

25X1D

AIRCRAFT -- 35 BISON, ONE MEDIUM STRAIGHT-WING
AND 2 LIGHT STRAIGHT-WING ON MAIN PARKING APRON,
ONE PROBABLE BADGER, ONE MEDIUM STRAIGHT-WING AND
ONE LIGHT STRAIGHT-WING ON EAST PARKING APRON,
AND AT LEAST 13 SMALL UNIDENTIFIED AIRCRAFT ON
WEST PARKING APRON.

25X1D

25X1A

[] UKRAINA AIRFIELD UR 5110N 12826E

AIRCRAFT -- 16 BISON/BEAR ON EAST LOADING STANDS,
14 BISON/BEAR ON SE PARKING RAMP, 11 BISON/BEAR
ON HARDSTANDS WEST OF LOOP TAXIWAY, ONE BISON/BEAR
ON NW HARDSTAND, 3 MEDIUM PROBABLE STRAIGHT-WING
AIRCRAFT ALONG WEST LOOP TAXIWAY.

25X1D

NO NEW FACILITIES OBSERVED.

25X1A

[] SPASSK-DALNIY AIRFIELD EAST UR 4437N 13253E

AIRCRAFT -- 21 BADGER, 3 PROBABLE BADGER, 4 MEDIUM
STRAIGHT-WING, AND 12 SMALL SWEEP-WING FIGHTERS.

25X1D

[] BELAYA AIRFIELD UR 5254N 10335E

IDENTIFICATION ONLY.

25X1D

25X1

25X1

25X1
25X1

25X1

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25X1A

BYKHOV AIRFIELD UR 5331N 03012E

NO APPARENT CHANGE SINCE [REDACTED] 25X1D

AIRCRAFT -- 37 POSSIBLE BADGER.

25X1D

POLTAVA AIRFIELD UR 4937N 03430E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

AIRCRAFT -- 61 BADGER, ONE BULL AND 2 PROBABLE
LIGHT STRAIGHT-WING.

25X1D

ANISOVO GORODISHCHE AIRFIELD UR 5414N 03422E

IDENTIFICATION ONLY.

25X1D

ANADYR/LENINKA AIRFIELD UR 6442N 17742E

NO APPARENT CHANGE SINCE [REDACTED] 25X1D

AIRCRAFT -- 3 POSSIBLE MEDIUM AIRCRAFT.

25X1D

ALEKSEYEVKA AIRFIELD UR 4915N 14014E

NO APPARENT CHANGE SINCE [REDACTED] 25X1D

AIRCRAFT -- 4 PROBABLE BADGER ON NW END OF ALERT
APRON, 4 PROBABLE BADGER ON CROSSOVER ALERT APRON,
4 PROBABLE BADGER ON CROSSOVER HARDSTANDS, 31 PROBABLE
BADGER AND ONE POSSIBLE BADGER ON LOOP TAXIWAY
HARDSTANDS.

25X1
25X1

25X1



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25X1

25X1

25X1D

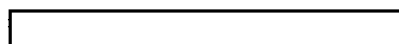


25X1A



USSURIYSK/VOZDVIZHENKA AIRFIELD UR 4355N 13156E

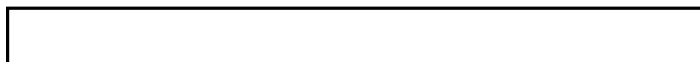
NO APPARENT CHANGE SINCE



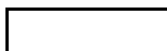
25X1D

25X1D

AIRCRAFT -- 25 MEDIUM SWEEP-WING.



25X1A



KHOROL AIRFIELD EAST UR 4427N 13208E

RUNWAY SNOW COVERED. CONSTRUCTION STATUS CANNOT BE DETERMINED.

25X1D

AIRCRAFT --
SWEEP-WING.

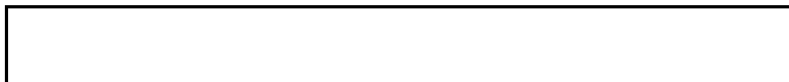


-- 44 PROBABLE MEDIUM

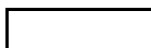
AIRCRAFT --
SWEEP-WING.

-- 46 PROBABLE MEDIUM

25X1D

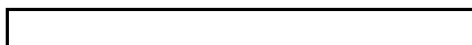


25X1A



ARTEM AIRFIELD NORTH UR 4323N 13209E

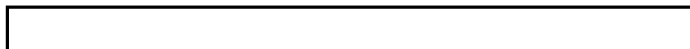
NO APPARENT CHANGE SINCE



25X1D

AIRCRAFT -- 27 BADGER AND ONE MEDIUM STRAIGHT-WING ON HARDSTANDS AND PARKING APRONS ALONG SOUTH SIDE OF RUNWAY, 2 BADGER IN MAINTENANCE AREA, ONE BADGER AND 2 MEDIUM STRAIGHT-WING ARE PARKED AT OLD AIRFIELD SITE.

25X1D



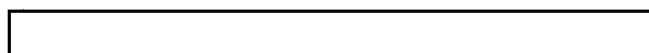
25X1A



IRKUTSK AIRFIELD NORTHWEST UR 5222N 10411E

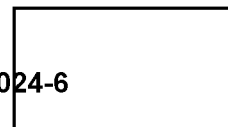
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25X1D



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TOP SECRET



25X1

25X1

25X1

TOP SECRET

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25X1

25X1

25X1A

IRKUTSK AIRFRAME PLANT UR 5221N 10412E
IDENTIFICATION ONLY.

25X1D

CHING-TAO SEAPLANE STATION CH 3603N 12017E
IDENTIFICATION ONLY.

25X1D

BONUS TASHKENT A/C ASSEMBLY PLT CHKALOV 84 B UR 4118N 06918E

25X1D

A NEW APPROXIMATELY 500 BY 400 FOOT ASSEMBLY BUILDING HAS BEEN CONSTRUCTED SINCE THIS PLANT WAS OBSERVED ON [REDACTED] CONSTRUCTION IS CONTINUING ON THE EAST END OF THE BUILDING. A SECOND LARGE BUILDING IS PARTIALLY COMPLETE AND SCARS INDICATE THAT IT WILL PROBABLY NOW BE DOUBLED IN SIZE. GROUND SCARS INDICATE THAT FOUNDATIONS ARE BEING CONSTRUCTED FOR A THIRD LARGE BUILDING IN THE AREA EAST OF THE NEW ASSEMBLY BUILDING. THESE BUILDINGS ARE BEING CONSTRUCTED OVER THE JUNCTION OF THE OLD RUNWAY AND TAXIWAY AT THE SOUTHWEST END OF TASHKENT AIRFIELD. THE NEW FLY-AWAY FIELD NOW APPEARS TO BE COMPLETE.

AIRCRAFT OBSERVED AT PLANT -- [REDACTED] 25X1D
13 UNIDENTIFIED AIRCRAFT.

25X1D [REDACTED] -- 9 CAMP/CUB, 3 CAB, ONE CRATE AND ONE MEDIUM STRAIGHT-WING.

AIRCRAFT OBSERVED AT FLY-AWAY -- [REDACTED] --
9 UNIDENTIFIED AIRCRAFT.
25X1D [REDACTED] -- 7 CAMP/CUB, ONE CRATE AND 4 SMALL UNIDENTIFIED STRAIGHT-WING.

25X1D

(ATTACHMENT 3)

25X1D

25X1

TOP SECRET

25X1

Nuclear Energy

25X2

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**Naval
Activity/
Ports**

25X1

25X1
25X1

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25X1A

NAVAL ACTIVITY/PORTS

[REDACTED] HSIA-MEN NAVAL BASE & PORT FACILITIES CH 2427N 11805E

ENTIRE AREA COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY.

FACILITIES CONSIST OF NUMEROUS PIERS AND QUAYED AREAS.

NO NUCLEAR, MISSILE STORAGE, OR SUPPORT FACILITIES OBSERVED WITHIN 5-NM RADIUS.

25X1D VESSELS -- 4 POSSIBLE PC AND NUMEROUS JUNKS.

25X1A

[REDACTED] HAI-TAN TAO NAVAL BASE CH 2530N 11943E

FACILITIES INCLUDE ONE WHARF AND 4 BUILDINGS. NO CONSTRUCTION ACTIVITY OBSERVED.

VESSELS -- 3 SMALL UNIDENTIFIED VESSELS.

[REDACTED] 25X1D

TA-HSIEH TAO NAVAL BASE CH 2953N 12157E

INSTALLATION CONTAINS 2 T-SHAPED PIERS, 2 L-SHAPED PIERS, 5 REGULAR PIERS, 35 BUILDINGS AND 4 POL TANKS.

VESSELS -- ONE UNIDENTIFIED SMALL CRAFT.

[REDACTED] 25X1D

LU-SHUN-KOU SUBMARINE BASE CH 3847N 12114E

25X1D NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED] 25X1D

VESSELS -- 3 PROBABLE SS, 3 PROBABLE W-CLASS SS AND NUMEROUS SMALL CRAFT.

25X1

25X1

TOP SECRET

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25X1

25X1

25X1D

25X1A

TA-KU NAVAL FACILITY CH 3900N 11740E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

VESSELS -- 7 MERCHANT VESSELS, ONE UNIDENTIFIED
VESSEL IN GRAVING DOCK AND 13 SMALL UNIDENTIFIED
VESSELS.

25X1D

25X1A

CHING-TAO NAVAL DOCKYARD CH 3604N 12019E

IDENTIFICATION ONLY.

25X1D

CHING-TAO SUBMARINE BASE CH 3604N 12019E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

VESSELS -- ONE DD, 6 PROBABLE W-CLASS SS, 3 MERCHANT
VESSELS, AND NUMEROUS UNIDENTIFIED SMALL VESSELS.

25X1A

WEI-HAI NAVAL BASE CH 3730N 12210E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

VESSELS -- 4 SMALL CRAFT.

25X1D

25X1D

CHOU-SHAN NAVAL BASE AND SHIPYARD CH 3000N 12206E

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

25X1

TOP SECRET

25X1

25X1

25X1

TOP SECRET

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25X1D

VESSLS -- ONE DD, 4 PROBABLE PF AND NUMEROUS SMALL CRAFT.

25X1D

25X1A

NAKHODKA SUBMARINE BASE UR 4248N 13254E

VESSLS -- NO SUBMARINES OR OTHER MAJOR NAVAL VESSELS OBSERVED. APPROXIMATELY 50 MERCHANT VESSELS IN HARBOR AREA.

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

NO NUCLEAR OR MISSILE FACILITIES OBSERVED.

25X1D

MA-WEI NAVAL BASE AND SHIPYARD CH 2559N 11926E

HAZE PRECLUDES DETAILED INTERPRETATION OF FACILITIES.

VESSLS -- NONE OBSERVED.

25X1

POOR QUALITY PHOTOGRAPHY PRECLUDES NEGATION OF MISSILE STORAGE OR SUPPORT FACILITIES WITHIN 5-NM RADIUS.

25X1D

SAN-TU-AO NAVAL BASE CH 2638N 11939E

ENTIRE BASE COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY.

25X1D

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

VESSLS -- 4 SMALL UNIDENTIFIED VESSELS ON WAYS IN REPAIR YARD.

25X1

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25X1

25X1

25X1

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25X1D

25X1A

[REDACTED]

BUKHTA SARANNAYA SUSPECT SUB DISP BASE UR 5245N 15832E
SARANNAYA BAY, BECHEVINSKAYA BAY AND MORZHOVAYA
BAY ARE COVERED BUT LOW SUN ANGLE PRECLUDES DETAILED
INTERPRETATION.

25X1D

VESSELS -- NONE OBSERVED.

25X1A

[REDACTED]

LU-TA SHIPYARD CH 3855N 12138E

25X1D

[REDACTED]

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

[REDACTED]

VESSELS -- 2 DD, ONE PROBABLE SS, ONE PROBABLE
W-CLASS SS, 15 MERCHANT VESSELS AND NUMEROUS
SMALL CRAFT.

25X1D

[REDACTED]

25X1A

[REDACTED]

NING-PO PORT FACILITIES CH 2953N 12133E

25X1D

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

[REDACTED]

VESSELS -- ONE SMALL PROBABLE TANKER, NUMEROUS
RIVER CRAFT.

25X1D

[REDACTED]

25X1

**Electronics/
Communications**

25X1

TOP SECRET

25X1
25X1

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25X1A

ELECTRONICS/COMMUNICATIONS

ARKHANGELSK AREA HF COMMO FACILITIES UR 6418N 04038E

RHOMBIC FARM CAN BE IDENTIFIED ON 25X1D

FISHBONE FARM NOT OBSERVED DUE TO SEMI-DARKNESS.

NO OTHER COMMUNICATIONS FACILITIES OBSERVED
WITHIN SEARCH AREA.

POOR IMAGE QUALITY AND SEMI-DARKNESS PRECLUDE
DETAILED INTERPRETATION.

25X1D

25X1A

ELTON, ELECTRONIC FACILITY UR 4915N 04648E

NO APPARENT CHANGE SINCE 25X1D

25X1D

MING-SHUI POSS MISSILE TRACKING STATION CH 4155N 09620E

NO MISSILE TRACKING STATION OBSERVED.

25X1D

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25X1

25X1

**Other
Activity**

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25X1B

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THIS SECTION CONTAINS A COMPOSITE LIST BY TARGET
NUMBER OF ALL COMOR TARGETS OBSERVED DURING THE SCAN
OF MISSION 1014-1.

COMOR INSTALLATION NAME CTY COORDINATES OAK

PLESETSK ICBM COMPLEX	UR 6256N 04039E	I
YURYA ICBM COMPLEX	UR 5903N 04919E	I
TYURATAM MISSILE TEST CENTER	UR 4550N 06318E	I
SVOBODNYI ICBM COMPLEX	UR 5146N 12807E	I
DROVYANAYA ICBM COMPLEX	UR 5132N 11301E	I
VOZZHAYEVKA SUSPECT SSM AREA	UR 5044N 12842E	I
PIBANSHUR SUSPECT SSM AREA	UR 5752N 05319E	I
SARANSK SUSPECT SSM AREA	UR 5411N 04511E	I
KOVYLKINO SUSPECT SSM AREA	UR 5402N 04356E	I
ALEYSK ICBM COMPLEX	UR 5229N 08243E	I
IMENI GASTELLO ICBM COMPLEX	UR 5107N 06619E	I
AKHTYRKA MRBM LAUNCH SITE 1	UR 5015N 03450E	I
ROZHDESTVENKA MRBM LAUNCH SITE	UR 4547N 13343E	I
NOVOSYSOYEVKA IRBM LAUNCH SITE 2	UR 4407N 13327E	I
NOVOSYSOYEVKA IRBM LAUNCH SITE 3	UR 4407N 13325E	I
SOVETSKAYA GAVAN MRBM LAUNCH FACILITY	UR 4904N 14007E	I
BOLSHAYA KAMENKA IRBM LAUNCH SITE	UR 5145N 04541E	I
TRAKTOVYY IRBM LAUNCH SITE	UR 5325N 06223E	I
KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR 4835N 04545E	I
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR 4602N 07334E	I
SHUANG-CHENG-TZU MISSILE TEST CENTER	CH 4107N 10020E	I
PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN	CH 3950N 11608E	I
SARATOV AIRFRAME PLANT 292	UR 5130N 04557E	I
BIYSK STATIC TEST FACILITY	UR 5229N 08507E	I
ISFARA SUSPECT SOLID PROPELLANT FACILITY	UR 4007N 07034E	I
CAP ROSA SUSPECT SSM SEARCH	AG 3657N 00814E	I
KRASNAYA GORBATKA SUSPECT SSM AREA	UR 5553N 04146E	I
CHEBARKUL SUSPECT SSM AREA	UR 5458N 06025E	I
KUZNETSK SUSPECT SSM AREA	UR 5307N 04636E	I
RUBTSOVSK SUSPECT SSM AREA	UR 5130N 08115E	I
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E	I
KOMSOMOLSK SHIPYARD AMUR 199	UR 5033N 13702E	I
PETROPAVLOVSK-KAMCHATSKIY NV B TARYA BAY	UR 5255N 15830E	I
PETROPAVLOVSK-KAMCHATSKIY NAVAL MSL STOR	UR 5256N 15823E	I
VLADIMIR SUBMARINE BASE	UR 4355N 13528E	I
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	UR 4306N 13156E	I
PETROVKA SHIPYARD	UR 4307N 13220E	I

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25X1A

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BUKHTA ABREK NAVAL MISSILE SUPPORT FAC	UR 4255N 13225E	I
DUNAY PROBABLE NAVAL MISSILE STORAGE	UR 4256N 13220E	I
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MOSCOW SUSPECT ABM AREA	UR 5545N 03737E	I
ANGARSK AREA SUSPECT AMM ACTIVITY	UR 5253N 10315E	I
ENGELS AIRFIELD	UR 5129N 04611E	I
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IRKUTSK AIRFRAME PLANT	UR 5221N 10412E	I
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25X2

25X2

25X2

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HAI-TAN TAO NAVAL BASE	CH 2530N 11943E	I
TA-HSIEH TAO NAVAL BASE	CH 2953N 12157E	I
LU-SHUN-KOU SUBMARINE BASE	CH 3847N 12114E	I
TA-KU NAVAL FACILITY	CH 3900N 11740E	I
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MING-SHUI POSS MISSILE TRACKING STATION	CH 4155N 09620E	I
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25X1

25X1A

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25X1